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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/31/2000

Fred S. Cook

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10/23/2007

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EXAMINER

YUN, EUGENE

ART UNIT

PAPER NUMBER

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

09/702,644

Applicant(s)

COOK, FRED S.

Examiner

Eugene Yun

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 August 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 October 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-6, 9-23, and 26-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho et al. (US 6,091,953) in view of Phillips et al. (US 5,870,459).

Referring to Claim 1, Ho teaches a communication system for providing temporary wireless telephone numbers (see col. 6, lines 25-33), the system comprising:

a first switching system configured to automatically receive a registration request from a wireless call device when the wireless call device is powered on, process the registration request to generate a registration message (see col. 6, lines 50-56).

Ho does not teach the wireless call device originally without an assigned telephone number. Phillips teaches the wireless call device originally without an assigned telephone number (see col. 14, lines 6-11), and

a service control point configured to receive the registration message, process the registration message to determine if the wireless call device is subscribed to a temporary wireless number service (see col. 14, lines 25-36 and col. 17, lines 8-12 noting that the "serving cellular network" is the temporary wireless number service), and responsive to determining that the wireless call device is subscribed to the temporary wireless number service, process the registration message to automatically assign a

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temporary wireless number to the end user wireless call device and generate and provide a registration response message to the first switching system that includes the temporary wireless number (see col. 15, lines 26-31 and col. 14, lines 11-15).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Phillips to said system of Ho in order to expedite the process of registering a call device.

Claim 18 has similar limitations as Claim 1.

Referring to Claims 2 and 19, Phillips also teaches wherein subsequent to receiving the registration response message from the service control point, the first switching system is configured to receive a call request from the wireless call device and process the call request to complete a call to a called number (see col. 14, lines 30-36).

Referring to Claims 3 and 20, Phillips also teaches the service control point configured to process the registration message to validate the wireless call device (see col. 15, lines 26-29).

Referring to Claims 4 and 21, Phillips also teaches the service control point configured to process the registration message to generate and provide a first query message that includes a request for the temporary wireless telephone number (see col. 15, lines 23-26).

Referring to Claims 5 and 22, Phillips also teaches a second switching system configured to receive the first query message, process the first query message to generate a second query message that includes the request for the temporary wireless

telephone number, and process a first response message to generate a second response message for the service control point that includes the temporary wireless telephone number (see col. 15, lines 23-26); and

a wireless telephone number server configured to receive the second query message from the second switching system and process the second query message to select the temporary wireless telephone number from a pool of temporary wireless telephone numbers and generate and provide the first response message to the second switching system (see col. 15, lines 26-31).

Referring to Claims 6 and 23, Phillips also teaches the service control point configured to process the second response message to associate the temporary wireless telephone number with the wireless call device and generate and provide the registration response message to the first switching system (see col. 15, lines 26-31).

Referring to Claims 9 and 26, Phillips also teaches the first switching system configured to receive a call request from the wireless call device and process the call request to generate a third query message that includes a request for call handling information and the service control point is configured to receive the third query message and process the third query message to generate and provide the call handling information to the first switching system, wherein the call handling information includes instructions to route the call request to a called number (see col. 14, lines 23-36).

Referring to Claims 10 and 27, Phillips also teaches automatically releasing the temporary wireless number back into the pool of temporary wireless numbers after a predetermined period of time (see col. 14, lines 6-11).

Referring to Claims 11 and 28, Phillips also teaches the predetermined period of time as one day (see col. 14, lines 11-15).

Referring to Claims 12 and 29, Phillips also teaches the predetermined period of time as one week (see col. 14, lines 11-15).

Referring to Claims 13 and 30, Phillips also teaches the predetermined period of time as one month (see col. 14, lines 11-15).

Referring to Claims 14 and 31, Phillips also teaches the voice response unit configured to receive the call request from the wireless call device and process the fourth call request to generate a first release message for the service control point and the service control point is configured to process the first release message to generate a second release message for the second switching system and the second switching system is configured to process the second release message to generate a third release message for the wireless telephone number server and the wireless telephone number server configured to release the temporary wireless telephone number back into the pool of temporary wireless telephone numbers (see col. 16, lines 39-60).

Referring to Claims 15 and 32, Phillips also teaches the service control point configured to generate and provide the second release message in response to an expiration of the predetermined period of time (see col. 16, lines 28-38).

Referring to Claims 16 and 33, Phillips also teaches the service control point configured to generate and provide billing information to the voice response unit and the voice response unit is configured to provide the billing information to the user of the wireless call device in response to the call request from the wireless call device (see col. 15, lines 16-20).

Referring to Claims 17 and 34, Phillips also teaches the voice response unit configured to receive a sixth call request from the wireless call device and process the sixth call request to generate a request message for the service control point that includes a request for an extension of the predetermined period of time and the service control point is configured to process the request message to extend the predetermined period of time (see col. 21, lines 66-67 and col. 22, lines 1-6).

Referring to Claim 35, Ho teaches a communication system for providing temporary wireless telephone numbers (see col. 6, lines 25-33), the system comprising:

a first switching system configured to automatically receive a registration request from a wireless call device when the wireless device dials an access number, process the registration request to generate a registration message (see col. 6, lines 50-56), and a service control point configured to receive the registration message, including the dialed number, and process the registration message (see col. 6, lines 56-65).

Ho does not teach the wireless call device originally without an assigned telephone number. Phillips teaches the wireless call device originally without an assigned telephone number (see col. 14, lines 6-11), and

a service control point configured to receive the registration message, process the registration message to determine if the wireless call device is subscribed to a temporary wireless number service (see col. 14, lines 25-36 and col. 17, lines 8-12 noting that the "serving cellular network" is the temporary wireless number service), and responsive to determining that the wireless call device is subscribed to the temporary wireless number service, process the registration message to automatically assign a temporary wireless number to the end user wireless call device and generate and provide a registration response message to the first switching system that includes the temporary wireless number (see col. 15, lines 26-31 and col. 14, lines 11-15).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Phillips to said system of Ho in order to expedite the process of registering a call device.

3. Claims 7, 8, 24, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho and Phillips and further in view of Alho (EP 0986237).

Referring to Claims 7 and 24, the combination of Ho and Phillips does not teach the service control point configured to generate and provide a context message that includes the temporary wireless telephone number. Alho teaches the service control point configured to generate and provide a context message that includes the temporary wireless telephone number (see pg. 9, lines 1-10). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide



the teachings of Alho to said system of Phillips in order to make the temporary wireless number registration process more user friendly.

Referring to Claims 8 and 25, Alho also teaches a voice response unit configured to receive the context message and a call request from the wireless call device and process the call request to provide the temporary wireless phone number to a user of the wireless call device (see pg. 4, lines 38-58 and pg. 9, lines 1-10).

### ***Response to Arguments***

4. Applicant's arguments filed 8/17/2007 have been fully considered but they are not persuasive.

The applicant argues that the Ho reference teaches a different temporary wireless telephone number as what is claimed in the independent claims. However, the independent claims do not specifically state that the temporary wireless telephone number must be in the XXX-XXX-XXXX format that is dialed. Therefore, the TMSI number in the Ho reference can also be a temporary wireless telephone number. The examiner only used the Ho reference to show that the limitation stating "a first switching system configured to automatically receive a registration request from a wireless call device when the wireless call device is powered on, process the registration request to generate a registration message", which the applicant did not argue. The Phillips reference does teach the temporary wireless telephone number in the XXX-XXX-XXXX format, so either way, the examiner has proved that "a communication system for providing temporary wireless telephone numbers" is known in the art.

Regarding the Phillips reference, the phone in this reference is without a temporary number before activation. However, once activated, it is known to one skilled in the art that the phone must be subscribed to a service provider of some sort or else it cannot be given a wireless number at all. A phone which is given a number without subscription to a service is not possible because there would be no way of billing for the use and it would be much more difficult to prevent duplicate numbers. Therefore, it is obvious that the act of "processing the registration message to determine if the wireless call device is subscribed to a temporary wireless number service, and responsive to determining that the wireless call device is subscribed to the temporary wireless number service" must take place or else the phone cannot be assigned a wireless number at all, regardless whether or not it is temporary or permanent. Since the phone in the Phillips reference is assigned a temporary wireless number, then it should be obvious that the Phillips reference teaches "processing the registration message to determine if the wireless call device is subscribed to a temporary wireless number service, and responsive to determining that the wireless call device is subscribed to the temporary wireless number service".

For the above reasons, the examiner stands by his rejection.

### ***Conclusion***

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Yun whose telephone number is (571) 272-7860. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571)272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Eugene Yun  
Examiner  
Art Unit 2618

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MATTHEW ANDERSON  
SUPERVISORY PATENT EXAMINER